

drillers 00066  
County Clinton sec. 12 T. 55 R. 31

Owner Messler Gas Co. Elev. 1040 MGS#

Farm Gaff Fred No. 1 TD 419 Shows oil Spls.

Date  
Status Completed 2-21-31 Fm@TD P

Remarks:  
Hammond field

ME 004

### Nature of Trap

It is believed that structure and stratigraphy were about equally important in determining suitable environments for hydrocarbon accumulation. Highly porous and permeable rocks allowed fluid to move updip until they reached a suitable cap rock that effectively trapped them. A combination of faulting and differential compaction and/or draping over pre-existing highs were responsible for the trapped oil and gas (fig. 7).

### Thickness, Lithology, and Continuity of Reservoir

The stratigraphy of the field is diverse, both sands and shales have been gas producing. The producing sands, 5 ft to 30 ft appear to be distributary-channel deposits. The sand is coarse, with varying permeability and porosity. On the flanks of the producing sands, the unit becomes silty to shaly and calcareous. The sand occupies topographic lows; as do the producing shales in the Kansas City Group.

The producing shales are gray to black and 1 ft to over 30 ft thick. Some shales contain varying amounts of thin coal that are believed to represent periods of transgression, effectively terminating sand deposition.

The channel system on which the Hammond field is situated strikes northwest-southeast and is part of a much larger system. The producing wells are completed in topographic lows which cross the channel system and which may be controlled by regional faulting.

### Estimated Ultimate Yield

Little is known about the production of the Hammond field, total production from 1933 to 1956 was approximately 279,943 Mcf.

### Market for Gas

Gas was produced from eight wells in the field and distributed by the Central West Utility Company to the cities of Plattsburg, Smithville, and Liberty, from 1936 through 1955. In 1956, the City of Plattsburg purchased the pipeline. Currently, adjacent landowners are using the gas to heat farmhouses and barns.

### Hammond Field Data

<u>Well Name</u>	<u>Contractor</u>	<u>Date Completed</u>	<u>Initial Production</u>	<u>Oil/Gas Shows</u>
Fred Gull #1	Messler Gas Co.	02/23/31		
G.E. Winn #1	Arrow Oil & Gas	06/06/31	D&A	Gas
Willis #2	R.M. Hammond	10/10/32	D&A	Gas

14	Messier Gas Co. ....	Douglass No. 1.....	27	55	30	1026	600	273	753
15	Messier Gas Co. ....	H. Rodgers No. 1.....	28	55	30	1054	581	310	744
16	R. M. Hammond .....	Thomas Newby No. 1..	4	55	31	905	487	297	698
17	R. M. Hammond .....	Thomas Newby No. 2..	4	55	31	988	585	283	705
18	Messier Gas Co. ....	Fred Gall. ....	12	55	31	1034	419	336	698
19	Ladow & Kunkel. ....	Eliza Chenowith.....	15	65	31	1008	1115	332	676
20	Lathrop Coal Mining Co.	Fee. ....	36	55	31	1053	603	377	677
21	W. G. Twyman. ....	Max Jones.....	34	55	32	876	368	204	612
22	R. M. Hammond .....	Claude Cummings....	3	55	33	924	531	338	580
22A	Charles Pet. Co. ....	Moore Est. No. 1.....	27	55	33	965	839	418	547
23	Fuller. ....	Truman Sells No. 1....	21	57	30	1035	600	314	721
24	Cameron Roller Mills.	D. D. H. Fee No. 1....	22	57	30	1036	648-2"	453	583
25	Cameron. ....	D. D. H. No. 3.....	24	57	30	1036	601	.....	.....
26	A. H. Carver. ....	Willey No. 2 D.D.H. ....	20	57	32	950	791½	385	565
27	Stovartsville Dev. Co. ....	Robt. Pickett No. 1....	23	57	32	985	1269	400	585
28	Clay Clinton O. & G. Co	Unknown. ....	30	54	31	1400?	.....	.....	.....
						No log.	.....	.....	.....
<b>Davies County.</b>									
1	Winston Coal Co. ....	Fee Shaft No. 2.....	4	58	29	1012	456	282	730
2	Mrs. Andrew Stevenson. ....	Fee. ....	35	58	28	1032	826	.....	.....
3	C. D. & J. K. D. Shaffer. ....	A. J. Tingley No. 1....	5	59	27	758.9	2332	Not Dr.*	.....
4	Gallatin Coal Co. ....	Fannin No. 1, D.D.H. ....	17	59	27	742	404	35.5	708
5	Gallatin Coal Co. ....	Jackson No. 1.....	17	59	27	722	416.9	.....	687
6	Messier Gas Co. ....	H. S. Robertson.....	27	60	26	959	696	149	810
7	Messier Gas Co. ....	S. E. Arnold.....	27	60	26	940	550	150	790
8	W. G. Cline. ....	Glasson No. 1 or (D.D.H.)	11	60	29	810	295	.....	Poor Log.
9	W. G. Cline. ....	Burton (Coal Test)....	11	60	29	800	308	.....	676
10	Messier Gas Co. ....	Glasson No. 2 (Coal test).	11	60	29	961	700 + -	.....	Poor Log.
		Lou Lafollette. ....	15	61	26	961	.....	.....	736
<b>Dekalb County.</b>									
1	New Market Coal Co. ....	J. L. Segrist (DDH)....	11	57	30	903	430	240	723
2	New Market Coal Co. ....	Ellis & Klepper (DDH)....	16	57	30	901	450	261	700
3	McDonald. ....	Hartman No. 1.....	35	59	30	941	750	.....	.....
4	McDonald. ....	Wilford No. 1.....	35	59	30	934	502	.....	.....
5	R. B. Aniser. ....	Fee No. 1.....	23	60	32	1051	418.11	626 E	Kansas City.